

CLAIMS

What is claimed is:

1. An intelligent dictionary input method using a device with a CCITT standard keypad to enter letters, the method comprising the steps of:

- 5 receiving key messages from the standard keypad;
- obtaining a mapping table of the standard keypad;
- converting the keys in order according to the mapping table into the corresponding letters and numbers;
- 10 setting a searching range according to the letter and number and searching a dictionary database thereby; and
- displaying a searching result.

2. The method of claim 1 further comprising the step of establishing a complete bilingual dictionary system.

3. The method of claim 2, wherein the bilingual dictionary system comprises a
15 bilingual dictionary database and a dictionary searching engine.

4. The method of claim 3, wherein the bilingual dictionary database comprises an English-Chinese dictionary database, an English vocabulary variation database, a Chinese-English dictionary database, a data decompressing table and a key word index.

5. The method of claim 4, wherein the English database can be replaced by other
20 suitable language database such as a European language database.

6. The method of claim 4, wherein the dictionary data are sorted by the length and alphabetic order of the keyword.

7. The method of claim 3, wherein the dictionary searching engine includes a data decompressing program, a data searching program and a format conversion program.

8. The method of claim 1, wherein the key message has the function of fuzzy input.

9. The method of claim 8, wherein the fuzzy input function is achieved by making a
5 list of possible letter combinations of the keys pressed for the user to select.